

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in this application:

LISTING OF CLAIMS:

Claims 1 to 18. (Canceled).

19. (Currently Amended) A dosing device for a liquid fuel, comprising:
at least one metering device adapted to meter fuel into a metering conduit;
a nozzle body adjoining the metering conduit, the nozzle body including at least one spray discharge opening that opens into a metering chamber, the nozzle body including a downstream support element having a swirl insert arranged on a spray-discharge side, the at least one spray discharge opening arranged in the swirl insert,

wherein the swirl insert includes at least one seat element having the at least one spray discharge opening and a swirl element arranged upstream from the seat element.

20. (Previously Presented) The dosing device according to claim 19, wherein the dosing device is adapted one of (a) to input the liquid fuel into a chemical reformer to recover hydrogen and (b) to input the liquid fuel into a secondary combustion device to generate heat.

21. (Previously Presented) The dosing device according to claim 19, wherein the support element is tubular, the nozzle body including, upstream from the support element, a tubular supply tube welded downstream in hydraulically sealed manner to the tubular support element.

22. (Previously Presented) The dosing device according to claim 21, wherein the tubular supply tube is arranged as a cylindrical tubular supply tube.

23. (Previously Presented) The dosing device according to claim 21, wherein the tubular supply tube is laser-welded downstream in hydraulically sealed manner to the tubular support element.

24. (Previously Presented) The dosing device according to claim 21, wherein the support element is cylindrically tubular.

25. (Previously Presented) The dosing device according to claim 19, wherein the swirl insert is joined in hydraulically sealed manner to the support element.

26. (Previously Presented) The dosing device according to claim 19, wherein the swirl insert is joined in hydraulically sealed manner to the support element by one of (a) pressing, (b) welding and (c) laser welding.

Claim 27. (Canceled).

28. (Currently Amended) The dosing device according to claim [[27]] 19, wherein the swirl element is disk-shaped.

29. (Currently Amended) The dosing device according to claim [[27]] 19, wherein the swirl element includes a continuous opening.

30. (Previously Presented) The dosing device according to claim 29, wherein the opening is at least partially closed off by an insert.

31. (Previously Presented) The dosing device according to claim 30, wherein the insert is connected to the swirl element by one of (a) welding and (b) laser welding.

32. (Previously Presented) The dosing device according to claim 29, wherein the opening includes a longitudinal opening axis having a directional component pointing in a flow direction.

33. (Previously Presented) The dosing device according to claim 32, wherein the swirl element includes at least one swirl conduit having a directional component arranged radially and tangentially to the longitudinal opening axis.

34. (Currently Amended) The dosing device according to claim [[27]] 19, wherein the swirl element is joined to the seat element by one of (a) welding and (b) laser welding.

35. (Currently Amended) The dosing device according to claim [[27]] 19, further comprising an intermediate element arranged between the swirl element and the seat element.

36. (Currently Amended) The dosing device according to claim [[27]] 19, wherein the swirl element is spaced from a wall of the support element by a distance.

37. (Previously Presented) The dosing device according to claim 19, further comprising an adapter joining in hydraulically sealed and detachable manner the metering conduit and the metering device.

38. (Previously Presented) The dosing device according to claim 37, wherein the adapter includes an air inlet connected in the adapter to the metering conduit.

39. (Previously Presented) The dosing device according to claim 19, wherein the metering device is arranged as a fuel injection valve.

40. (Previously Presented) The dosing device according to claim 39, wherein the fuel injection valve is arranged as a low-pressure fuel injection valve adapted to operate at a fuel pressure of up to 10 bar.

41. (Previously Presented) The dosing device according to claim 19, wherein the metering conduit includes, in an axial extent, one of (a) at least one reduced-wall-thickness point and (b) at least one reduced-wall-thickness region.